In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned application:

Listing of the Claims

1. (Original): A water irrigation system, comprising:

a computer system;

a sensing unit comprising a wind sensor, wherein the wind sensor comprises:

a flow thermistor and a reference thermistor, and wherein the thermistors are configured such that output from the thermistors is a function of wind speed at the flow thermistor; and

a calibration thermistor configured such that output from the calibration thermistor is a function of a temperature of the reference thermistor;

wherein the sensing unit is configured to assess wind speed at the flow thermistor as a function of output from the calibration thermistor and to provide output based on the assessed wind speed to the computer system; and

wherein the computer system is configured to control irrigation of a zone to be irrigated at least partially based on the assessed wind speed.

2. (Original): The water irrigation system of claim 1, wherein the sensing unit is located near or in the zone to be irrigated, and wherein the sensing unit is elevated from the computer system by at least 2 meters.

3. (Original): The water irrigation system of claim 1, wherein the output from the sensing unit is provided to the computer system via radiofrequency radiation.

4. (Original): The water irrigation system of claim 1, wherein the wind speed is assessed at least partially based on a temperature/wind speed calibration table.

5. (Original): The water irrigation system of claim 1, wherein the computer system is configured to inhibit irrigation when the assessed wind speed exceeds a selected value for at least a selected length of time.

6. (Original): The water irrigation system of claim 1, wherein the water irrigation system comprises a solar panel, wherein the solar panel is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit.

7. (Original): The water irrigation system of claim 1, wherein the computer system comprises an infrared receiver.

8. (Original): The water irrigation system of claim 1, wherein the computer system comprises an infrared transceiver.

9. (Original): The water irrigation system of claim 1, wherein the computer system is configured to control irrigation at least partially based on community irrigation instructions.

10. (Original): The water irrigation system of claim 1, wherein sensing unit comprises a solar panel, wherein the sensing unit is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit.

11. (Original): The water irrigation system of claim 1, wherein the sensing unit comprises a solar panel, wherein the solar panel is configured to receive sunlight, to use the received sunlight to produce electricity, and to supply at least a portion of the electricity to the sensing unit, wherein the sensing unit is configured to assess climatological conditions, and wherein the sensing unit comprises a transmitter configured to provide output that is a function of climatological conditions to the computer system.

12. (Original): The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system.

13. (Original): The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, and wherein at least a portion of each conduit is configured to carry water.

14. (Original): The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, and wherein at least a portion of each conduit is configured to carry water, one or more irrigation devices, wherein at least one of the irrigation devices is coupled to at least one of the conduits.

15. (Original): The water irrigation system of claim 1, further comprising one or more valves that are operated by the computer system, wherein at least one of the valves is coupled to one or more conduits, wherein at least a portion of each conduit is configured to carry water, and a source of water that is coupled to at least one of the conduits.

16. (Original): A method of controlling irrigation, comprising:

assessing wind speed as a function of temperature at least 2 meters above a zone to be irrigated;

assessing an irrigation need of the zone to be irrigated at least partially based on the assessed wind speed; and

controlling irrigation to at least meet the assessed irrigation need of the zone to be irrigated.

17. (Original): The method of claim 16, further comprising inhibiting irrigation when the assessed wind speed exceeds a selected value for a selected length of time.

18. (Original): The method of claim 16, further comprising assessing solar insolation near or in the zone to be irrigated, and controlling irrigation at least partially based on the assessed solar insolation.

19. (Original): The method of claim 16, further comprising assessing solar insolation near or in the zone to be irrigated, and assessing zonal evapotranspiration at least partially based on the assessed solar insolation.

20. (Original): The method of claim 16, further comprising controlling irrigation at least partially based on community irrigation instructions.

21. (New): A water irrigation system, comprising:

irrigation equipment;

a computer system; wherein the computer system is configured to control the irrigation equipment to irrigate an irrigation zone based on a programmed irrigation schedule, wherein the

programmed irrigation schedule is at least partially based on the region where the irrigation zone is located;

at least one sensing unit, the sensing unit comprising a wind sensor configured to assess the wind speed in the region; and wherein the computer system is configured to inhibit irrigation of the irrigation zone when an assessed wind speed exceeds a predetermined speed; and

at least one receiver coupled to the computer system, wherein the receiver is configured to receive community irrigation instructions generated for the region and send the community irrigation instructions to the computer system, wherein the community irrigation instructions override the programmed irrigation schedule.

22. (New): The system of claim 21, wherein the receiver is a pager device.

23. (New): The system of claim 21, wherein the receiver is an infrared receiver.

24. (New): The system of claim 21, wherein the receiver is a single frequency device.

25. (New): The system of claim 21, wherein the receiver is an assignable frequency device.

26. (New): The system of claim 21, wherein the community irrigation instructions result in one or more of the following actions: termination of an irrigation cycle, reduction in duration of an irrigation cycle, reduction in frequency of an irrigation cycle, rescheduling of an irrigation cycle, and initiation of an irrigation cycle.

27. (New): The system of claim 21, wherein the region comprises at least a portion of a postal zone.

28. (New): The system of claim 21, further comprising a solar panel configured to receive sunlight and to produce electricity from the received sunlight, and wherein the solar panel is configured to supply at least a portion of the electricity to the sensing unit.

29. (New): The system of claim 21, further comprising at least one sensing unit configured to assess an amount of moisture in an irrigation zone; wherein the computer system is configured to inhibit irrigation of the irrigation zone when an assessed amount of moisture exceeds a predetermined amount.

30. (New): The system of claim 21, wherein when the wind speed measured by the wind sensor exceeds a certain value for a selected length of time, a control signal is sent to at least one of the receivers to terminate irrigation.

31. (New): The system of claim 21, further comprising a solar panel configured to receive sunlight and to use the received sunlight to produce electricity, wherein the sensing unit is configured to provide output that is a function of the received sunlight to the computer system, and wherein the computer system is configured to assess solar insolation as a function of the output from the sensing unit; and wherein the computer system is configured to control irrigation of a zone to be irrigated at least partially based on the assessed solar insolation.

32. (New): The system of claim 21, wherein the sensing unit comprises a collector configured to receive moisture and a flex circuit coupled to the collector, wherein the flex circuit comprises a capacitor, and wherein the capacitor is part of a resonant circuit; wherein the collector and the flex circuit are configured such that a change in an amount of moisture in the collector alters a frequency of the resonant circuit.

33. (New): The system of claim 21, wherein at least one of the receivers is configured to receive evapotranspiration information for the region, and wherein the computer system is configured to assess an irrigation need of the region to be irrigated at least partially based on the regional evapotranspiration infomation.

34. (New): A method of controlling irrigation of an irrigation zone, comprising:

providing a programmed irrigation schedule to a water irrigation system, wherein the programmed irrigation schedule is at least partially based on the region where the irrigation zone is located, the water irrigation system comprising:

irrigation equipment;

a computer system; wherein the computer system is configured to control irrigation equipment to irrigate an irrigation zone based on the programmed irrigation schedule;

at least one sensing unit configured to assess wind speed in the region; and

at least one receiver coupled to the computer system, wherein the receiver is configured to receive remote irrigation instructions and send the remote irrigation instructions to the computer system;

assessing the wind speed in the region;

inhibiting irrigation of the irrigation zone when an assessed wind speed exceeds a predetermined speed;

receiving community irrigation instructions generated for the region;

overriding the programmed irrigation schedule based on the community irrigation instructions.

35. (New): The method of claim 34, wherein the receiver is a pager device.

36. (New): The method of claim 34, wherein the receiver is an infrared receiver.

37. (New): The method of claim 34, wherein the receiver is a single frequency device.

38. (New): The method of claim 34, wherein the receiver is an assignable frequency device.

39. (New): The method of claim 34, wherein the community irrigation instructions result in one or more of the following actions: termination of an irrigation cycle, reduction in duration of an irrigation cycle, reduction in frequency of an irrigation cycle, rescheduling of an irrigation cycle, and initiation of an irrigation cycle.

40. (New): The method of claim 34, wherein the region comprises at least a portion of a postal zone.

41. (New): The method of claim 34, wherein the water irrigation system further comprises a solar panel configured to receive sunlight and to produce electricity from the received sunlight, and wherein the solar panel is configured to supply at least a portion of the electricity to the sensing unit.

42. (New): The method of claim 34, wherein the water irrigation system further comprises at least one sensing unit configured to assess an amount of moisture in an irrigation zone; wherein the method further comprises inhibiting irrigation of the irrigation zone when an assessed amount of moisture exceeds a predetermined amount.

43. (New): The method of claim 34, wherein inhibiting irrigation of the irrigation zone occurs when the wind speed measured by the wind sensor exceeds a certain value for a selected length of time.

44. (New): The method of claim 34, wherein the water irrigation system further comprises a solar panel configured to receive sunlight and to use the received sunlight to produce electricity, wherein the sensing unit is configured to provide output that is a function of the received sunlight to the computer system, and wherein the computer system is configured to assess solar insolation as a function of the output from the sensing unit; and wherein the computer system is configured to control irrigation of a zone to be irrigated at least partially based on the assessed solar insolation.

45. (New): The method of claim 34, wherein the sensing unit comprises a collector configured to receive moisture and a flex circuit coupled to the collector, wherein the flex circuit comprises a capacitor, and wherein the capacitor is part of a resonant circuit; wherein the collector and the flex circuit are configured such that a change in an amount of moisture in the collector alters a frequency of the resonant circuit.

46. (New): The method of claim 34, wherein at least one of the receivers is configured to receive evapotranspiration information for the region, and wherein the computer system is configured to assess an irrigation need of the region to be irrigated at least partially based on the regional evapotranspiration infomation.